

IN THE SPECIFICATION

The following paragraphs are rewritten pursuant to 37 C.F.R. §1.121.

1. Replace publication number 20020143793, paragraph [0010], of the specification with the following paragraph:

A "file system access operation request" as used in this disclosure comprises a computer readable code representing a request for a particular file system operation involving a file. File system access operations include operations to create, delete, open, close, read, or write a file. These file system access operation requests are communicated to the data storage system according to the invention by file system clients connected to the system by a suitable computer network communications arrangement. File system access operations which are of the type or class diverted from the file system processes to the array controller processes according to the invention will be referred to in this disclosure as "divertible" operations. The class of divertible operations may be defined preferably by file size, although any other file attribute or combination of attributes may be used within the scope of the invention. For purposes of simplifying this disclosure it will be assumed that file size is the attribute used to define whether an operation is divertible or not. Create, delete, read, and write operations which relate to a large file will be divertible operations while file access operations relating to a small file will be non divertible operations, unless an override feature is in place which dictates the treatment of the operation regardless of actual file size. It will be appreciated that the system requires a definition for what constitutes a "large" file. This definition may be simply a threshold file size represented in bytes or any other suitable units.

2. Replace publication number 20020143793, paragraph [0029], of the specification with the following paragraph:

Figure 3 shows further ~~detail~~ details of the program processes performed by data processing arrangement 202 under the control of computer program code according to the invention. Array controller 204 performs or executes a number of program processes each indicated in a separate box included in the box 204 in Figure 3. These array controller program processes are implemented through array controller program code and are referred to in this disclosure collectively as array controller processes 300. In the illustrated form of the invention array controller processes 300 include an array command interpreter 301, virtual array mapping component 302, and RAID management component 303. These elements each represent computer program code executed by the array controller 204 to perform various array controller functions. Figure 3 also shows an array cache 304 associated with array control processor 204. This array cache may comprise random access memory associated with the array controller or may comprise battery-backed random access memory. The memory is used to cache data being transferred to and from the storage devices under control of the array controller processes 300.

3. Replace publication number 20020143793, paragraph [0039], of the specification with the following paragraph:

The method next includes the step of determining whether the file system access operation request includes a divertible operation. This step is shown at decision block 502 in Figure 5 and is performed by the wedge file system component 310 in the illustrated form of the invention. As discussed above, it will be assumed for purposes of this disclosure that file system access operations are generally defined as divertible or ~~not~~ non divertible based on the size of the file (amount of data making up the file) which is the subject of the access operation request. This diversion based on file size has the effect of causing all files over the predetermined threshold size to be handled or processed directly by array controller processes 300 and causing all files below the threshold size to be handled or processed normally through file system processes 308. The preferred form of the invention also includes a mechanism for overriding the normal rules for determining if an operation is a divertible operation. Again, although the invention is described here for purposes of example as using file size to determine whether an operation is divertible, other file attributes and other standards or combinations of attributes and standards may be used within the scope of the accompanying claims in defining access operations as divertible or non divertible.